

IN THE CLAIMS

Please amend claims 1, 17, 33, and 82 and cancel claims 18 and 19.

1. (Currently amended) A fabric body comprising
more than one electronic module,
at least two textile panels joined by a sewn seam, wherein each
textile panel comprises a layer of expanded polytetrafluoroethylene,
a length of cable having two cable ends, and upper and lower cable
surfaces and cable side surfaces, the cable extended across the seam and
onto at least a portion of each of the at least two joined textile panels,
a connector attached to each cable end to provide interconnection
between the more than one electronic modules, and
a seam sealing tape comprising an adhesive, ~~and at least one
additional a layer selected from of polytetrafluoroethylene and a knit,~~
wherein the adhesive of the seam sealing tape covers and adheres to the
upper cable surface for the length of cable across the seam, the seam
sealing tape having a narrow width just slightly greater than the cable width,
and
wherein the seam sealing tape adhesive extends beyond cable side
surfaces onto the textile panels and adheres to the textile panels, and
wherein the fabric body comprising the cable secured between the
seam sealing tape and the textile panels is durable with a direct current
(DC) resistance that is less than 100 ohms per meter after 10 hours of wet
flex and abrasion testing of the fabric body.
2. (Original) The fabric body of claim 1 wherein the cable remains secured for
at least two wash cycles.
3. (Original) The fabric body of claim 1 wherein the cable remains secured for
at least five wash cycles.
4. (Previously presented) The fabric body of claim 1 wherein a conductor in
the cable has a direct current (DC) resistance that is less than 100 ohms
per meter after two wash cycles.

5. (Previously presented) The fabric body of claim 1 wherein a conductor in the cable has a direct current (DC) resistance that is less than or equal to 100 ohms per meter after five wash cycles.
6. (Original) The fabric body of claim 1 wherein the cable has one or more transmission elements.
7. (Original) The fabric body of claim 1 wherein the cable is a coaxial cable, ribbon cable or twisted pair.
8. (Original) The fabric body of claim 1 wherein the fabric body further comprises an adhesive between the cable and the textile panels.
9. (Original) The fabric body of claim 1 wherein the adhesive between the cable and the textile panels is a pressure sensitive adhesive.
10. (Original) The fabric body of claim 1 wherein the tape adhesive is chemically activated.
11. (Original) The fabric body of claim 1 wherein the tape adhesive is thermally activated.
12. (Original) The fabric body of claim 1 wherein the tape adhesive is a thermoset or thermoplastic adhesive.
13. (Original) The fabric body of claim 11 wherein the cable comprises one or more insulation layers which is thermally stable at the processing temperature of the tape adhesive.
14. (Original) The fabric body of claim 1 wherein the tape adhesive comprises polyurethane.
15. (Original) The fabric body of claim 1 wherein the tape adhesive comprises silicone.

16. (Original) The fabric body of claim 1 wherein the tape comprises three layers.
17. (Currently amended) The fabric body of claim 16 wherein the tape further comprises a knit layer.
18. (Canceled)
19. (Canceled)
20. (Original) The fabric body of claim 1 wherein the textile panels are liquidproof.
21. (Original) The fabric body of claim 1 wherein the fabric body is liquidproof.
22. (Original) The fabric body of claim 1 wherein the fabric body is a personal shelter.
23. (Original) The fabric body of claim 1 wherein the fabric body is a tent.
24. (Original) The fabric body of claim 1 wherein the fabric body is a garment.
25. (Original) The fabric body of claim 1 wherein the fabric body is a jacket.
26. (Original) The fabric body of claim 1 wherein the fabric body is a glove.
27. (Previously presented) The fabric body of claim 1 wherein the length of cable has cable ends terminated with connectors having at least one surface connected to cable ends.
28. (Original) The fabric body of claim 27 wherein at least one surface of the connectors is covered with tape adhesive and secured between the tape and fabric body.

29. (Original) The fabric body of claim 1 wherein the cable is capable of transmitting power or data.
30. (Original) The fabric body of claim 1 wherein the cable is capable of transmitting electrical or optical data.
31. (Original) The fabric body of claim 1 wherein the cable is capable of transmitting electromagnetic signals.
32. (Original) The fabric body of claim 1 wherein the cable has a thickness of less than or equal to 0.5 millimeters.
33. (Currently amended) A fabric body comprising
 - a textile comprising a layer of expanded polytetrafluoroethylene, having a surface and a seam,
 - a length of micro-ribbon cable comprising an insulation layer, the cable having upper and lower cable surfaces and cable side surfaces, the cable extended across at least a portion of the textile and along the seam, and
 - a seam sealing tape comprising a thermally stable layer comprising polytetrafluoroethylene, and a polyurethane adhesive, wherein the seam sealing tape covers the upper cable surface of the length of micro-ribbon cable and covers the seam, and the polyurethane adhesive adheres to the upper cable surface and extends beyond cable side surfaces and adheres to the seam and the textile surface,
 - wherein the cable is secured between the textile surface and the seam sealing tape forming a liquidproof sealed seam that comprises the textile, the seam, the cable and the seam sealing tape, and wherein the insulation layer and the thermally stable layer are thermally stable above the processing temperature of the seam sealing tape adhesive.
34. (Original) The fabric body of claim 33 wherein the insulation layer is polytetrafluoroethylene (PTFE)

35. (Original) The fabric body of claim 33 wherein the insulation layer is expanded polytetrafluoroethylene (ePTFE).
36. (Original) The fabric body of claim 33 wherein the micro-ribbon cable has a thickness of less than or equal to 0.5 millimeter.
37. (Original) The fabric body of claim 33 further comprising an additional adhesive between the cable and the textile surface.
38. (Original) The fabric body of claim 33 wherein the tape further comprises a knit layer.
39. (Withdrawn) A method of assembling a fabric body having a cable comprising
 - joining at least two textile panels to form a fabric body comprising a seam;
 - extending a length of cable having cable side surfaces, across the seam onto a portion of at least two textile panels;
 - providing a tape comprising an adhesive, the tape adhesive adhering to and covering the cable length and extending beyond the cable side surfaces; and
 - the tape adhesive adhering the tape to the fabric body, thereby securing the cable to the fabric body.
40. (Withdrawn) The method of claim 39 wherein the cable remains secured to the fabric body for at least two wash cycles.
41. (Withdrawn) The method of claim 39 further comprising securing the cable between the tape and the fabric body.
42. (Withdrawn) The method of claim 39 wherein the steps of extending a length of cable and providing a tape are concurrent.

43. (Withdrawn) The method of claim 39 further comprising the step of applying an additional adhesive across at least two textile panels prior to the step of extending a length of cable.
44. (Withdrawn) The method of claim 43 wherein the step of extending a length of cable comprises extending the length of cable on the adhesive, and adhering the cable to the adhesive.
45. (Withdrawn) The method of claim 39 wherein the cable comprises an adhesive on a cable surface, further comprising the step of adhering the length of cable to the textile panels prior to the step of providing a protective tape.
46. (Withdrawn) The method of claim 39 further comprising the steps of providing connectors and terminating the cable with connectors.
47. (Withdrawn) The method of claim 46 further comprising covering the connectors with the tape comprising adhesive, the adhesive extending beyond connector edges and onto the textile panels, and securing the connectors to the fabric body.
48. (Withdrawn) The method of claim 39 wherein the fabric body is a personal shelter.
49. (Withdrawn) The method of claim 39 wherein the fabric body is a garment.
50. (Withdrawn) The method of claim 39 wherein the fabric body is a jacket.
51. (Withdrawn) A method of applying a cable to a fabric body comprising
 - providing a fabric body having at least one textile panel;
 - providing a seam tape sealing machine comprising a tape reel, the tape reel having a tape comprising an adhesive, a heating component, and two rolls;
 - extending a length of cable having cable side surfaces, across at least a portion of at least one textile panel;

feeding the tape from the tape reel onto the length of cable and
covering the length of cable with the tape;
melting the tape adhesive with the heating component;
feeding the textile having the tape and cable through the two rollers;
and
adhering the tape adhesive along the length of the cable, the tape
adhesive extending beyond the cable side surfaces onto the textile panel
thereby
securing the cable between the tape and the textile panel.

52. (Withdrawn) The method of claim 51 wherein the seam sealing machine further comprises a cable reel and wherein the cable is fed from the reel concurrently with the step of feeding the tape.
53. (Withdrawn) The method of claim 51 further comprising the step of adhering the cable to the textile with an additional adhesive prior to the step of covering the cable with the tape.
54. (Withdrawn) The method of claim 51 wherein the fabric body is a garment.
55. (Withdrawn) The method of claim 51 wherein the fabric body is a jacket.
56. (Withdrawn) A method of applying a cable to a textile surface comprising
providing a textile having a surface;
extending a length of cable across at least a portion of a textile surface;
providing a tape comprising a tape adhesive; and
securing the length of cable to the textile surface with the tape,
wherein the tape is applied by a garment taping process.
57. (Withdrawn) The method of claim 56 further comprising covering the length of cable with a tape.
58. (Withdrawn) The method of claim 56 further comprising extending the tape adhesive over cable side surfaces onto the textile surface.

59. (Withdrawn) The method of claim 56 wherein the cable is secured between the tape and the textile.
60. (Withdrawn) The method of claim 56 wherein the cable comprises a thermally stable insulating layer.
61. (Withdrawn) The method of claim 56 wherein the textile is fabric body.
62. (Withdrawn) The method of claim 61 wherein the fabric body is a garment.
63. (Withdrawn) The method of claim 62 wherein the garment is a jacket.
64. (Withdrawn) The method of claim 62 wherein the garment is a glove.
65. (Withdrawn) The method of claim 62 wherein the garment is a shirt.
66. (Withdrawn) The method of claim 62 wherein the garment is a hood.
67. (Withdrawn) The method of claim 61 wherein the fabric body is a personal shelter.
68. (Withdrawn) The method of claim 67 wherein the personal shelter is a tent.
69. (Withdrawn) The method of claim 56 wherein the textile comprises at least two joined textile panels comprising a seam.
70. (Withdrawn) The method of claim 56 wherein the textile is liquidproof.
71. (Withdrawn) The method of claim 61 wherein the fabric body is liquidproof.
72. (Withdrawn) The method of claim 61 wherein the fabric body is moisture vapor permeable.

73. (Withdrawn) The method of claim 56 wherein the steps of extending a length of cable and providing a tape are concurrent.
74. (Withdrawn) The method of claim 56 further comprising the step of adhering an additional adhesive in a pattern across the textile prior to the step of extending a length of cable and providing a tape.
75. (Withdrawn) The method of claim 56 wherein the tape adhesive is a polyurethane.
76. (Withdrawn) The method of claim 74 wherein the additional adhesive is a pressure sensitive adhesive.
77. (Withdrawn) The method of claim 74 wherein the step of extending a length of cable further comprises extending the length of cable on a length on the additional adhesive, and adhering the cable to the length of adhesive.
78. (Withdrawn) The method of claim 56 wherein the cable comprises an additional adhesive on a cable surface.
79. (Withdrawn) The method of claim 79 further comprising the step of adhering the cable to the textile surface, prior to the step of securing the cable to the textile surface with a tape.
80. (Withdrawn) The method of claim 56 further comprising the steps of providing connectors and terminating the cable with connectors.
81. (Withdrawn) The method of claim 56 wherein the connectors are secured to the textile with a tape applied by a garment taping process.
82. (Currently amended) A fabric body comprising:
 - a jacket having
 - at least two garment areas selected from jacket body, hood and arm areas that are joined by a sewn garment seam;

at least two liquidproof, moisture vapor permeable textile panels joined by the sewn garment seam that form the garment areas, wherein the textile is a composite that comprises a layer of expanded polytetrafluoroethylene and a knit layer, the at least two textile panels each having a textile surface;

a length of cable having upper and lower cable surfaces, and cable side surfaces, the length of cable extended across the sewn garment seam onto at least a portion of the at least two textile panels to transmit data or power from at least one garment area to another garment area; and

a seam sealing tape comprising a thermoplastic an-adhesive, ~~and at least one additional a layer selected from of~~ polytetrafluoroethylene and a knit, covering the upper cable surface of the length of cable, and the adhesive adheres to the upper cable surface and extends beyond cable side surfaces adhering to a portion of the textile surface,

wherein the cable secured between the textile surface and the seam sealing tape over a portion of the sewn garment seam.

83. (Previously presented) The fabric body of claim 82 wherein the cable extends between jacket body and hood garment areas.
84. (Previously presented) The fabric body of claim 82 wherein the cable transmits data or power between at least two garment areas.
85. (Previously presented) The fabric body of claim 82 wherein the jacket body comprises a chest area.
86. (Previously presented) The fabric body of claim 85 wherein the cable transmits data or power between at least two garment areas selected from chest, arm, and hood areas.